

AMENDMENTS

In the Claims

1-22. (Cancelled)

23. (Currently Amended) A method of inter-module communication comprising:
forming a message, wherein

said forming comprises

inserting customer relations management system information and
other customer relations management system information into
said message, and

configuring said message to be pushed from a customer relations
management system by encoding at least a portion of said
message in a markup language,

~~said message comprises customer relations management system information~~
~~and other customer relations management system information,~~

said customer relations management system information comprises at least one of
agent information and work item information,

said agent information comprises information regarding an agent,

said work item information comprises information regarding a work item,

said other customer relations management system information is other than said
agent information and said work item information, and

said other customer relations management system information comprises at least
one of a command, a request and a notification, ~~and~~

~~said message is configured to be pushed from a customer relations~~
~~management system by virtue of at least a portion of said message~~
~~being encoded in a markup language.~~

24. (Previously Presented) The method of claim 23, wherein
said notification comprises at least one of notification of an event and autonomously
provided information.

25. (Original) The method of claim 24, wherein said customer relations management system information further comprises at least one of queuing information, statistical information, connection information and rule information.
26. (Original) The method of claim 23, further comprising: communicating said message from a commerce server to a universal queuing system.
27. (Previously Presented) The method of claim 23, further comprising: forming said command, wherein said other customer relations management system information comprises said command and said command is defined such that a module receiving said message performs an operation.
28. (Previously Presented) The method of claim 23, further comprising: forming said request, wherein said other customer relations management system information comprises said request and said request is configured to cause a module receiving said message to reply with requested customer relations management system information.
29. (Previously Presented) The method of claim 23, further comprising: forming said notification, wherein said other customer relations management system information comprises said notification, and said notification is generated by a module generating said message.
30. (Previously Presented) The method of claim 23, wherein said message defines a function, and said function is one of an agent-related function, a work item-related function, a statistics-related function and an administrative function.
31. (Original) The method of claim 30, wherein said agent-related function is initiated by one of an AgentLogin command, an AgentLogout command, an AgentInitAuBWork command, an

AgentAllMediaAvailable command, a ChangeAgentMediaMode command, a ChangeAgentSkill command, a RequestAgentState request, a RequestAgentMediaMode request, a RequestSystemState request, a RequestAgentWorkableList request, a RequestWorkItemAssignment request, a RequestAgentWorkItemList request and a RequestAgentMediaState request.

32. (Original) The method of claim 30, wherein said work item-related function is initiated by one of an AddWorkItem command, a RequestWorkItemStatus request, an AcceptWorkItem command, a RejectWorkItem command, a CompleteWorkItem command, a WrapUpWorkItemResponse command, a WrapCompleteWorkItem command, an HoldWorkItem command, an UnHoldWorkItem command, a BlindTransferWorkItemToAgent command, a TransferWorkItemToAgent command and a TransferWorkItemToRoute command.
33. (Original) The method of claim 30, wherein said statistics-related function is initiated by one of a SetChannelStatInterval command, a SetRouteStatInterval command, a StartAgentStat command, a StopAgentStat command and a GetSystemStatistics request.
34. (Original) The method of claim 30, wherein said administrative function is initiated by one of a UQOpenConnection command, a UQReopenConnection command, a UQInitRules command, a UQReplaceRules command and a UQDisconnect command.
35. (Previously Presented) The method of claim 30, further comprising: sending said message.
36. (Previously Presented) The method of claim 35, further comprising: receiving said message.
37. (Currently Amended) A computer system comprising:

a processor;
computer readable storage medium coupled to said processor; and
computer code, encoded in said computer readable storage medium, configured to cause
said processor to:
form a message, wherein

said forming comprises

inserting customer relations management system information
and other customer relations management system
information into said message, and
configuring said message to be pushed from a customer
relations management system by encoding at least a
portion of said message in a markup language,

~~said message comprises customer relations management system~~
~~information and other customer relations management system~~
~~information,~~

said customer relations management system information comprises at least
one of agent information and work item information,

said agent information comprises information regarding an agent,

said work item information comprises information regarding a work item,

said other customer relations management system information is other

than said agent information and said work item information, **and**

said other customer relations management system information comprises

at least one of a command, a request and a notification, ~~and~~

~~said message is configured to be pushed from a customer relations~~
~~management system by virtue of at least a portion of said~~
~~message being encoded in a markup language.~~

38. (Previously Presented) The computer system of claim 37, wherein
said notification comprises at least one of notification of an event and autonomously
provided information.

39. (Previously Presented) The computer system of claim 38, wherein said customer relations management system information further comprises at least one of queuing information, statistical information, connection information and rule information.
40. (Previously Presented) The computer system of claim 37, wherein said computer code is further configured to cause said processor to:
communicate said message from a commerce server to a universal queuing system.
41. (Previously Presented) The computer system of claim 37, wherein said computer code is further configured to cause said processor to:
form said command, wherein said other customer relations management system information comprises said command and said command is defined such that a module receiving said message performs an operation.
42. (Previously Presented) The computer system of claim 37, wherein said computer code is further configured to cause said processor to:
form said request, wherein said other customer relations management system information comprises said request and said request is configured to cause a module receiving said message to reply with requested customer relations management system information.
43. (Previously Presented) The computer system of claim 37, wherein said computer code is further configured to cause said processor to:
form said notification, wherein
said other customer relations management system information comprises said notification, and
said notification is generated by a module generating said message.
44. (Previously Presented) The computer system of claim 37, wherein said message defines a function, and

said function is one of an agent-related function, a work item-related function, a statistics-related function and an administrative function.

45. (Previously Presented) The computer system of claim 44, wherein said computer code is further configured to cause said processor to:
send said message.

46. (Currently Amended) A computer program product ~~encoded in computer readable media, said computer program product~~ comprising:

a first set of instructions, executable on a computer system, configured to form a message, wherein

said first set of instructions comprises

a first subset of instructions, executable on a computer system,

configured to insert customer relations management system

information and other customer relations management system

information into said message, and

a second subset of instructions, executable on a computer system,

configured to configure said message to be pushed from a

customer relations management system, wherein said second

subset of instructions comprises

a first sub-subset of instructions, executable on a computer

system, configured to encode at least a portion of said

message in a markup language,

~~said message comprises customer relations management system information~~

~~and other customer relations management system information,~~

said customer relations management system information comprises at least one of
agent information and work item information,

said agent information comprises information regarding an agent,

said work item information comprises information regarding a work item,

said other customer relations management system information is other than said

agent information and said work item information, and

said other customer relations management system information comprises at least one of a command, a request and a notification[,]] ; and
~~said message is configured to be pushed from a customer relations management system by virtue of at least a portion of said message being encoded in a markup language~~
computer readable storage media, wherein said computer program product is encoded in said computer readable storage media.

47. (Previously Presented) The computer program product of claim 46, wherein said notification comprises at least one of notification of an event and autonomously provided information.
48. (Previously Presented) The computer program product of claim 47, wherein said customer relations management system information further comprises at least one of queuing information, statistical information, connection information and rule information.
49. (Previously Presented) The computer program product of claim 46, wherein said computer program product further comprises:
a second set of instructions, executable on said computer system, configured to communicate said message from a commerce server to a universal queuing system.
50. (Previously Presented) The computer program product of claim 46, wherein said computer program product further comprises:
a second set of instructions, executable on said computer system, configured to form said command, wherein said other customer relations management system information comprises said command and said command is defined such that a module receiving said message performs an operation.
51. (Previously Presented) The computer program product of claim 46, wherein said computer program product further comprises:

a second set of instructions, executable on said computer system, configured to form said request, wherein said other customer relations management system information comprises said request and said request is configured to cause a module receiving said message to reply with requested customer relations management system information.

52. (Previously Presented) The computer program product of claim 46, wherein said computer program product further comprises:

a second set of instructions, executable on said computer system, configured to form said notification, wherein
said other customer relations management system information comprises said notification, and
said notification is generated by a module generating said message.

53. (Previously Presented) The computer program product of claim 46, wherein said message defines a function, and
said function is one of an agent-related function, a work item-related function, a statistics-related function and an administrative function.

54. (Previously Presented) The computer program product of claim 53, wherein said computer program product further comprises:

a second set of instructions, executable on said computer system, configured to send said message.

55. (Currently Amended) An apparatus ~~for inter-module communication~~ comprising:

means for inter-module communication comprising means for forming a message,
wherein

said means for forming comprises

means for inserting customer relations management system

information and other customer relations management system

information into said message, and

means for configuring said message to be pushed from a customer relations management system, wherein
means for configuring comprises encoding at least a portion of said message in a markup language,
~~said message comprises customer relations management system information and other customer relations management system information,~~
said customer relations management system information comprises at least one of agent information and work item information,
said agent information comprises information regarding an agent,
said work item information comprises information regarding a work item,
said other customer relations management system information is other than said agent information and said work item information, and
said other customer relations management system information comprises at least one of a command, a request and a notification, ~~and~~
~~said message is configured to be pushed from a customer relations management system by virtue of at least a portion of said message being encoded in a markup language.~~

56. (Previously Presented) The apparatus of claim 55, wherein said notification comprises at least one of notification of an event and autonomously provided information.
57. (Previously Presented) The apparatus of claim 56, wherein said customer relations management system information further comprises at least one of queuing information, statistical information, connection information and rule information.
58. (Previously Presented) The apparatus of claim 55, further comprising: means for communicating said message from a commerce server to a universal queuing system.
59. (Previously Presented) The apparatus of claim 55, further comprising:

means for forming said command, wherein said other customer relations management system information comprises said command and said command is defined such that a module receiving said message performs an operation.

60. (Previously Presented) The apparatus of claim 55, further comprising:
means for forming said request, wherein said other customer relations management system information comprises said request and said request is configured to cause a module receiving said message to reply with requested customer relations management system information.

61. (Previously Presented) The apparatus of claim 55, further comprising:
means for forming said notification, wherein said other customer relations management system information comprises said notification, and said notification is generated by a module generating said message.

62. (Previously Presented) The apparatus of claim 55, wherein
said message defines a function, and
said function is one of an agent-related function, a work item-related function, a statistics-related function and an administrative function.

63. (Previously Presented) The apparatus of claim 62, further comprising:
means for sending said message.

64. (Previously Presented) The apparatus of claim 63, further comprising:
means for receiving said message.

65. (Currently Amended) A method ~~of inter-module communication~~ comprising:
receiving a message, wherein
at least a portion of said message is encoded in a markup language,
said receiving comprises

receiving said message from a customer relations management system upon said message being pushed from said customer relations management system,
extracting customer relations management system information and other customer relations management system information from said message, and
decoding said at least said portion of said message in said markup language,
said message is configured to provide inter-module communications by virtue of
said message ~~comprises~~ comprising said customer relations management system information and said other customer relations management system information,
said customer relations management system information ~~comprises~~ comprising at least one of agent information and work item information,
said agent information ~~comprises~~ comprising information regarding an agent,
said work item information ~~comprises~~ comprising information regarding a work item,
said other customer relations management system information ~~[[is]]~~ being other than said agent information and said work item information,
and
said other customer relations management system information ~~comprises~~ comprising at least one of a command, a request and a notification,~~and~~
~~said message is configured to be pushed from a customer relations management system by virtue of at least a portion of said message being encoded in a markup language.~~

66. (Previously Presented) The method of claim 65, wherein

said notification comprises at least one of notification of an event and autonomously provided information.

67. (Previously Presented) The method of claim 66, wherein said customer relations management system information further comprises at least one of queuing information, statistical information, connection information and rule information.

68. (Previously Presented) The method of claim 65, wherein said receiving of said command occurs at a universal queuing system.

69. (Previously Presented) The method of claim 65, further comprising: performing an operation in response to receiving said command, wherein said other customer relations management system information comprises said command.

70. (Previously Presented) The method of claim 65, further comprising: replying with requested customer relations management system information in response to receiving said message, wherein said other customer relations management system information comprises said request.

71. (Previously Presented) The method of claim 65, wherein said other customer relations management system information comprises said notification, and said notification is generated by a module generating said message.

72. (Previously Presented) The method of claim 65, wherein said message defines a function, and said function is one of an agent-related function, a work item-related function, a statistics-related function and an administrative function.

73. (Currently Amended) A computer system comprising: a processor;

computer readable storage medium coupled to said processor; and
computer code, encoded in said computer readable storage medium, configured to cause
said processor to:

receive a message, wherein

at least a portion of said message is encoded in a markup language,
said computer code configured to cause said processor to receive

comprises

computer code configured to cause said processor to receive

said message from a customer relations management
system upon said message being pushed from said
customer relations management system,

computer code configured to cause said processor to extract
customer relations management system information
and other customer relations management system
information from said message, and

computer code configured to cause said processor to decode
said at least said portion of said message in said markup
language,

said message is configured to provide inter-module communications

by virtue of

said message ~~comprises~~ comprising said customer relations
management system information and said other customer
relations management system information,

said customer relations management system information
~~comprises~~ comprising at least one of agent information
and work item information,

said agent information ~~comprises~~ comprising information
regarding an agent,

said work item information ~~comprises~~ comprising information
regarding a work item,

said other customer relations management system information
[[is]] being other than said agent information and said work
item information, and
said other customer relations management system information
comprises comprising at least one of a command, a
request and a notification, ~~and~~
~~said message is configured to be pushed from a customer~~
~~relations management system by virtue of at least a~~
~~portion of said message being encoded in a markup~~
~~language.~~

74. (Previously Presented) The computer system of claim 73, wherein said notification comprises at least one of notification of an event and autonomously provided information.
75. (Previously Presented) The computer system of claim 74, wherein said customer relations management system information further comprises at least one of queuing information, statistical information, connection information and rule information.
76. (Previously Presented) The computer system of claim 73, wherein said receiving of said command occurs at a universal queuing system.
77. (Previously Presented) The computer system of claim 73, wherein said computer code is further configured to cause said processor to:
perform an operation in response to receiving said command, wherein said other customer relations management system information comprises said command.
78. (Previously Presented) The computer system of claim 73, wherein said computer code is further configured to cause said processor to:

reply with requested customer relations management system information in response to receiving said message, wherein said other customer relations management system information comprises said request.

79. (Previously Presented) The computer system of claim 73, wherein said other customer relations management system information comprises said notification, and said notification is generated by a module generating said message.

80. (Previously Presented) The computer system of claim 73, wherein said message defines a function, and said function is one of an agent-related function, a work item-related function, a statistics-related function and an administrative function.

81. (Currently Amended) A computer program product ~~encoded in computer readable media, said computer program product~~ comprising:

a first set of instructions, executable on a computer system, configured to receive a message, wherein

at least a portion of said message is encoded in a markup language,

said first set of instructions comprises

a first subset of instructions, executable on a computer system,

configured to receive said message from a customer relations management system upon said message being pushed from said customer relations management system,

a second subset of instructions, executable on a computer system,

configured to extract customer relations management system information and other customer relations management system information from said message, and

a third subset of instructions, executable on a computer system,

configured to decode said at least said portion of said message in said markup language,

**said message is configured to provide inter-module communications by
virtue of**

said message comprises customer relations management system
information and other customer relations management
system information,

said customer relations management system information comprises
at least one of agent information and work item
information,

said agent information comprises information regarding an agent,

said work item information comprises information regarding a
work item,

said other customer relations management system information is
other than said agent information and said work item
information, **and**

said other customer relations management system information
comprises at least one of a command, a request and a
notification[[,]] ; and

~~said message is configured to be pushed from a customer
relations management system by virtue of at least a
portion of said message being encoded in a markup
language~~

**computer readable storage media, wherein said computer program product is
encoded in said computer readable storage media.**

82. (Previously Presented) The computer program product of claim 81, wherein
said notification comprises at least one of notification of an event and autonomously
provided information.

83. (Previously Presented) The computer program product of claim 81, wherein

said customer relations management system information further comprises at least one of queuing information, statistical information, connection information and rule information.

84. (Previously Presented) The computer program product of claim 81, wherein said receiving of said command occurs at a universal queuing system.

85. (Previously Presented) The computer program product of claim 81, wherein said computer program product further comprises:

a second set of instructions, executable on said computer system, configured to perform an operation in response to receiving said command, wherein said other customer relations management system information comprises said command.

86. (Previously Presented) The computer program product of claim 81, wherein said computer program product further comprises:

a second set of instructions, executable on said computer system, configured to reply with requested customer relations management system information in response to receiving said message, wherein said other customer relations management system information comprises said request.

87. (Previously Presented) The computer program product of claim 81, wherein said other customer relations management system information comprises said notification, and said notification is generated by a module generating said message.

88. (Previously Presented) The computer program product of claim 81, wherein said message defines a function, and said function is one of an agent-related function, a work item-related function, a statistics-related function and an administrative function.

89. (Currently Amended) An apparatus ~~for inter-module communication~~ comprising:

means for receiving a message, wherein

at least a portion of said message is encoded in a markup language,

said means for receiving comprises

means for receiving said message from a customer relations

management system upon said message being pushed from

said customer relations management system,

means for extracting customer relations management system

information and other customer relations management system

information from said message, and

means for decoding said at least said portion of said message in said

markup language,

said message is configured to provide inter-module communications by

virtue of

said message ~~comprises~~ comprising said customer relations management system information and said other customer relations management system information,

said customer relations management system information ~~comprises~~ comprising at least one of agent information and work item information,

said agent information ~~comprises~~ comprising information regarding an agent,

said work item information ~~comprises~~ comprising information regarding a work item,

said other customer relations management system information ~~[[is]]~~ being other than said agent information and said work item information, and

said other customer relations management system information ~~comprises~~ comprising at least one of a command, a request and a notification, ~~and~~

~~said message is configured to be pushed from a customer relations management system by virtue of at least a portion of said message being encoded in a markup language.~~

90. (Previously Presented) The apparatus of claim 89, wherein said notification comprises at least one of notification of an event and autonomously provided information.
91. (Previously Presented) The apparatus of claim 90, wherein said customer relations management system information further comprises at least one of queuing information, statistical information, connection information and rule information.
92. (Previously Presented) The apparatus of claim 89, wherein said receiving of said command occurs at a universal queuing system.
93. (Previously Presented) The apparatus of claim 89, further comprising: means for performing an operation in response to receiving said command, wherein said other customer relations management system information comprises said command.
94. (Previously Presented) The apparatus of claim 89, further comprising: means for replying with requested customer relations management system information in response to receiving said message, wherein said other customer relations management system information comprises said request.
95. (Previously Presented) The apparatus of claim 89, wherein said other customer relations management system information comprises said notification, and said notification is generated by a module generating said message.
96. (Previously Presented) The apparatus of claim 89, wherein

said message defines a function, and
said function is one of an agent-related function, a work item-related function, a
statistics-related function and an administrative function.

97-98. (Cancelled)